

## Course Outline

### ■Section - A Introduction to SAP ABAP

- What is SAP
- SAP Architecture and where ABAP fits in
- ABAP Development Workbench Tools

### ■Section - B Introduction to the ABAP Workbench

- Flow of an ABAP program
  - Describe the architecture of SAP Web Application Server
  - Describe how a simple dialog program is executed by the SAP runtime system
- Introduction to the ABAP workbench
  - Describe the structure of the Repository
  - Name and use of the search tools of Repository
  - Use of Object Navigator
  - Name and use of the utilities for orderly software development
  - Creating Packages
  - Creating programs
  - Creating Transactions
- Introduction to ABAP dictionary
  - Data Modeling and descriptive elements in the ABAP Dictionary
- Basic ABAP language Elements
  - Working with elementary data objects
  - Working with Structures
  - Working with Internal Tables
- Data Retrieval
  - Reading Database Tables
  - Authorization Check
- Subroutines
  - What are subroutines?
  - Use of Subroutines in ABAP programs
  - Creating the subroutines
  - Different ways of calling the subroutines
- Introduction to ABAP events
  - What are ABAP Events?
  - Event-controlled processing of an executable ABAP program
  - Most important basic events and their purpose
  - Use the most important basic events
- User Dialogues
  - List
  - Selection Screen
  - Screen
- Reuse Components
  - Working with function modules
  - Working with Methods
  - Working with BAPIs

## ■Section - C ABAP Dictionary

- Introduction to the dictionary
  - Overview of functions of the ABAP Dictionary
- Data objects in the ABAP Dictionary
  - Basic Data Types
  - Tables in the ABAP Dictionary
  - Special SAP Tables
- Performance During Table Access
  - Performance during table access
- Input Checks
  - Create and use fixed values
  - Define and Creating the Foreign key
  - Difference between the value table and check table
- Object Dependencies
  - Mechanism for handling the dependent objects in the ABAP Dictionary
  - Differentiating the Active and Inactive version of ABAP Dictionary Objects.
- Changes to Tables
  - Changes to tables and estimating the effect of these changes on the database
  - Convert tables
  - Continue terminated versions
- Views and Maintenance Views
  - Creating the database views
  - Maintenance Views
  - Recognize the difference between an inner join and an outer join
  - Simple and complex maintenance views
- Search Helps
  - Defining search help with several alternative search paths
  - Enhance a collective search help using an append search help without modifications